

PATENT SPECIFICATION



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448,580

PROVISIONAL SPECIFICATION

Improvements in or relating to Packets and like Containers

We, JOHN WALKER CHALMERS, a British Subject, and MOLINS MACHINE COMPANY, LIMITED, a British Company, both of 2, Evelyn Street, Deptford, London, S.E.8, do hereby declare the nature of this invention to be as follows:—

This invention is for improvements in or relating to packets and like containers of the slide and shell type, wherein the shell is opened at both ends and a packet of the above type shall be referred to hereafter as "a packet of the type described".

According to one form of the present invention there is provided a packet of the type described wherein the slide comprises a plurality of compartments articulated to one another and swingable about an axis transverse to the throughway of the shell.

According to another form of the present invention there is provided a packet of the type described wherein the slide comprises two compartments of substantially equal size and articulated to one another and swingable about an axis transverse to the throughway of the shell.

In a still further form according to the present invention there is provided a packet of the type described wherein the slide comprises two cup-shaped containers which are articulated along a line that is transverse to the throughway of the shell, and wherein the open ends of the cup are directed towards one another when the slide is in the shell.

Packets made in accordance with the present invention may be used for relatively short articles, such, for instance, as tobacco cartridges for use with tobacco pipes. These cartridges may be placed in each of the cups or compartments of the slide and are arranged to lie lengthwise of the slide.

In the preferred form according to the present invention the shell may be of rectangular cross-sectional area and open at both ends. The slide may comprise two cups of rectangular cross-section, which cups are hinged together along one edge of their open ends.

The faces of the cups which are opposed to the faces by which they are hinged may

be cut away so as to give more easy access to the contents when the opposed faces of the cups are swung away from one another. This can be done when the one end of the slide is sufficiently far removed from the shell. In order to obtain access to the other cup the slide is pushed in the opposite direction.

The two cups may be made from one continuous blank and the line of articulation or hinge between the edges of the cups may be obtained by creasing the blank across the middle.

If desired, the blank may be slit at the corners of the cups on the same side as the hinge in order to enable the ends of the articles to project freely from the two broad faces of the cups when the articles are to be removed.

When these slits are provided, further score lines may be provided; these score lines being parallel to the aforesaid line of articulation. The articles in the container may be wrapped or unwrapped and in certain cases the articles when they comprise tobacco cartridges may be in a cylindrical wrapping of cellulose or other suitable material, but which does not cover the end faces of the cartridges.

The articles as will be understood can be laid so that their lengths are transverse to the line about which the cups are articulated and a foil wrapper or wrapper of any suitable material is placed in the cups in such a manner that the ends of the articles which engage the bottom of the cups are separated from the cup by the liner and the opposite ends of the articles, that is to say, the ends which face one another when the cups are in position in the slide, are separated by an upstanding fold of the liner or wrapping material.

In certain cases this upstanding fold may be arranged to seal the ends of the articles, but can be arranged to keep the articles in one of the cups from moving into the other cup, such for example, when one of the cups has been partly omitted.

It will be appreciated that when the two hinged cups of the slide are bent backwardly the upstanding portion of the

[Price 1/-]

liner will stand clear of the articles, thereby enabling the upstanding fold to be gripped and pulled slightly upwardly in order to lift the articles or contents of the cups upwardly to give easier access to them.

Dated the 26th day of April, 1935.
FREDERICK W. HACKING,
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 Agent for the Applicants.

COMPLETE SPECIFICATION

Improvements in or relating to Packets and like Containers

We, **JOHN WALKER CHALMERS**, a British Subject, and **MOLINS MACHINE COMPANY, LIMITED**, a British Company, both of 2, Evelyn Street, Deptford, London, S.E.8, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention is for improvements in or relating to packets and like containers of the slide and shell type, wherein the shell is opened at one or both ends, and a packet of the above type is referred to hereafter as "a packet of the type described".

According to the present invention there is provided a container of the type described wherein the slide comprises a plurality of compartments of substantially equal size and articulated to one another, each compartment being swingable about an axis transverse to the throughway of the shell and having at least one open end and wherein the open ends of the compartments are directed towards one another.

A wrapper may be disposed within the compartments, which wrapper extends about two side faces and one end face of each article or batch of articles in the opposed compartments, and wherein the wrapper is provided with an upstanding fold which is disposed substantially at or along the line of articulation of the compartments and separates the articles contained in one compartment from those contained in the other compartment.

Those faces of the compartments which are opposed to the faces by which the compartments are articulated, may be cut away at the open ends of the compartments. The compartments may be provided with slits which extend from the line or lines of articulation of the compartments in a direction transverse thereto, said slits being of a length such that when the compartments are folded away from one another, the articles project freely from the two broad faces of the compartment, and can thereby be readily gripped and removed from the compartment.

The invention will be described by way

of example with reference to the accompanying drawings, in which:

Figure 1 is a perspective view showing a slide member of a container completely withdrawn from the shell member.

Figure 2 is a perspective view of a container with the slide member partly withdrawn from the shell member and showing the manner in which the articles in the two compartments forming the slide member are separated.

Figure 3 is a longitudinal cross-section of a completed and closed container in which the shell is open at both ends.

Figure 4 is a perspective view of a modified form of container constructed in accordance with the invention.

Like references refer to like parts throughout the specification and the drawings.

Referring to the drawings, the articles to be contained in the containers are shown as tobacco cartridges, and are illustrated in the various figures of the drawing by the reference numeral 5. The container comprises a shell member 6 having a throughway 26 and a slide member which comprises two compartments 7 and 8 articulated at 9. The side panels 10 and 11 are cut away as shown at 12, Figure 1, so that when the slide member is to be inserted into the throughway of the shell member 6, the two edges of the compartments 7 and 8 at the open ends of the compartments do not foul each other and prevent the easy insertion of the slide member into the shell. The broad faces of the compartments 7 and 8 which are opposed to the broad faces by which the compartments are articulated are cut away as shown at 13 so as to give more easy access to the contents when the opposed open ends of the compartments are swung away from one another.

It will be seen by reference to Figures 2 and 4 that when it is desired to remove a tobacco cartridge from the container, the slide portion is pushed out of an open end of the shell until the line of articulation is not restricted by the shell, and the compartments are then swung away from one another as illustrated in the drawings. When this has been done the ends

of the tobacco cartridges in the two compartments are exposed and can be gripped in order to remove the cartridges from the compartments.

5 In order to provide further protection for the cartridges and also to provide additional means whereby the cartridges may be easily removed from the compartments, a foil wrapper 14 or wrapper of
10 any other suitable material is disposed within the compartments and arranged to extend around two side faces and one end face of each batch of articles, as can be clearly seen from Figure 3. The wrapper
15 is also provided with an upstanding folded portion 15 which separates the ends of the articles contained in one compartment from the ends of the articles contained in the other compartment, as can be seen
20 from Figures 1 and 3. When the container is opened, as shown in Figure 2, the upstanding portion 15, which is disposed, as can be seen from the drawings, substantially at and along the line of
25 articulation of the compartment, can be gripped and pulled in an upward direction, as viewed in Figure 2, so that the ends of the cartridges are lifted quite clear of the compartments. When the
30 cartridges are so lifted it will be readily appreciated that they can be easily gripped and removed from the container.

When the wrapper 14 is not provided, or if desired, when the wrapper is provided, the compartments may be provided
35 with slits 16, which extend from the line of articulation in a direction transverse thereto. The length of the slits is such that when the container is opened, as
40 shown in Figure 4, and the compartments swung away from one another about the line of articulation, a portion of the back of each of the compartments 7 and 8 is swung out of the plane of the
45 main portion of the backs of said compartments so that in conjunction with the cut away portions 13 of the compartments, the end portions of the cartridges project freely from between the two broad faces
50 of the compartments. In order further to facilitate the folding of the compartments into the position shown in Figure 4, score lines may be provided at the points where the slits terminate, such
55 score lines connecting the slits on either side of the compartment and being arranged substantially parallel to the mouth of the compartment.

The tobacco cartridges may be placed
60 in each of the compartments of the slide, so that their longitudinal axes are transverse to the open ends of the compartments, or if desired, the longitudinal axes of the cartridges may lie parallel to the
65 open ends of the compartments.

Although the shell member 6 has been described as a shell the throughway of which is open at both ends, it will be appreciated that if desired the shell may
70 comprise a block ended shell, the throughway of which is open only at one end. When the shell comprises a block ended shell, the slide element is preferably provided at the end thereof, which is adjacent the open end of the shell when the
75 slide and shell are in situ, with finger-holds by means of which the slide may be withdrawn from the shell. These finger-holds may be formed when forming and folding the slide element, and
80 may consist of projections which extend outwardly from the end panel of the slide beyond the confines of the shell. Containers of the type described and provided
85 with gripping members of the kind just referred to are well known and do not form part of the present invention.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we
90 claim is:—

1. A container of the type described wherein the slide comprises a plurality
95 of compartments of substantially equal size and articulated to one another, each compartment being swingable about an axis transverse to the throughway of the shell and having at least one open end and wherein the open ends of the
100 compartments are directed towards one another.

2. A container as claimed in Claim 1, wherein a wrapper is disposed within the compartments, which wrapper extends
105 around two side faces and one end face of each article or batch of articles in the opposed compartments and wherein the wrapper is provided with an upstanding fold which is disposed substantially at or
110 along the line of articulation of the compartments and separates the articles contained in one compartment from those contained in the other compartment.

3. A container as claimed in Claim 1
115 or Claim 2 wherein those faces of the compartments which are opposed to the faces by which the compartments are articulated, are cut away at the open ends of the compartments.
120

4. A container as claimed in any one of the preceding Claims, wherein the compartments are provided with slits
125 extending from the line or lines of articulation of the compartments in a direction transverse thereto, said slits being of a length such that when the compartments are folded away from one another, the articles project freely from the two broad faces of the compartment and can thereby
130

be readily gripped and removed from the compartment.

5. Containers of the type described, constructed arranged and adapted to operate substantially as described or as described with reference to the accompanying drawings.

Dated the 30th day of December, 1935.

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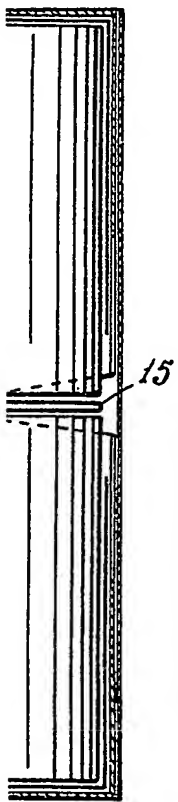
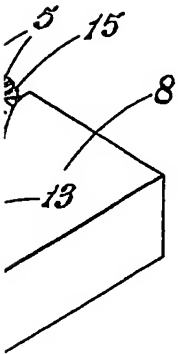
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3.

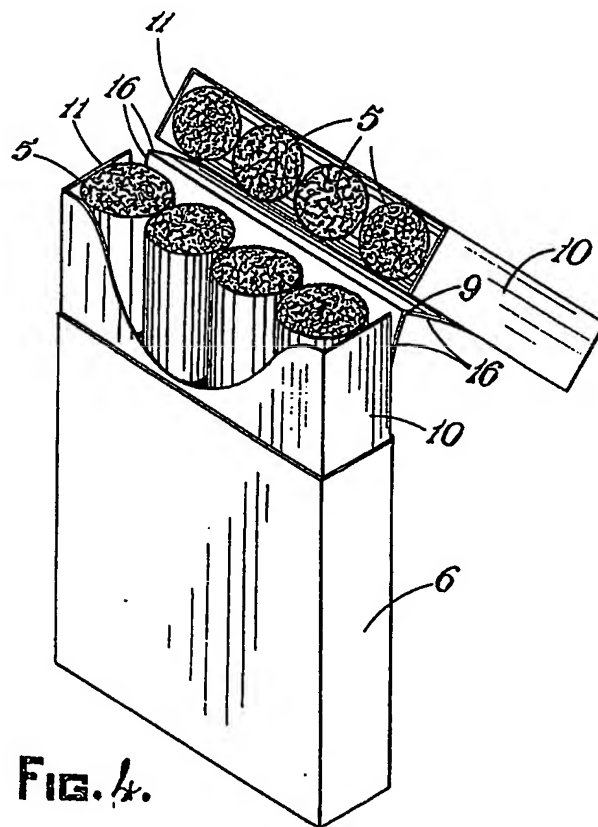


FIG. 4.

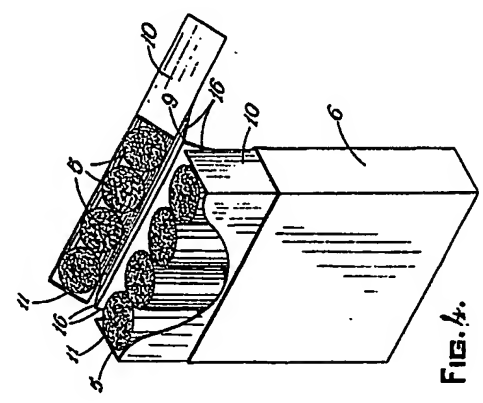
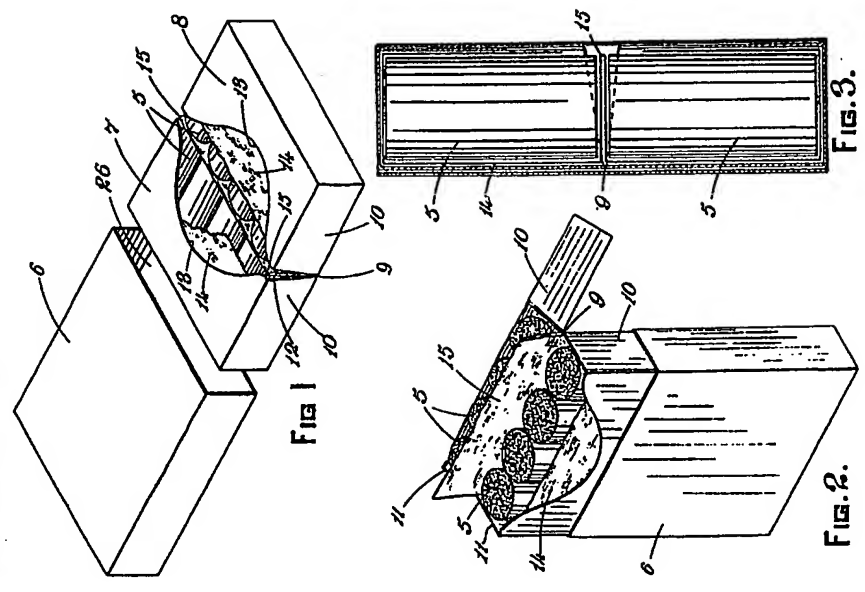


FIG. 4.

[This Drawing is a reproduction of the Original on a reduced scale.]